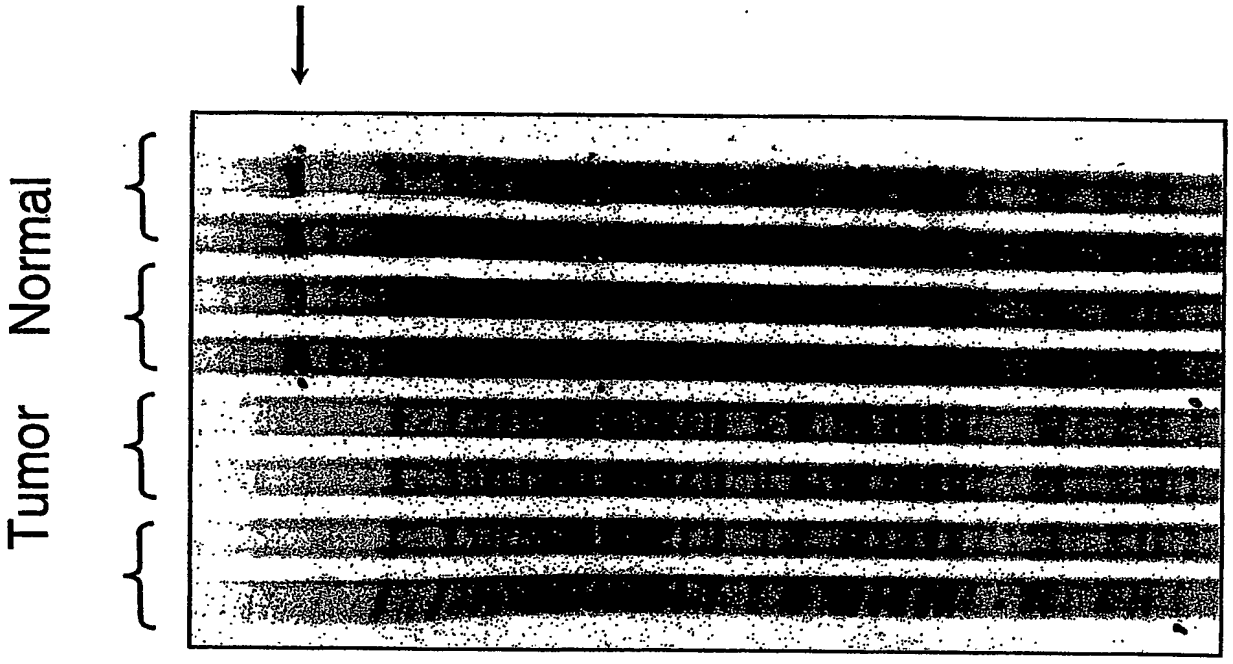


Fig. 1

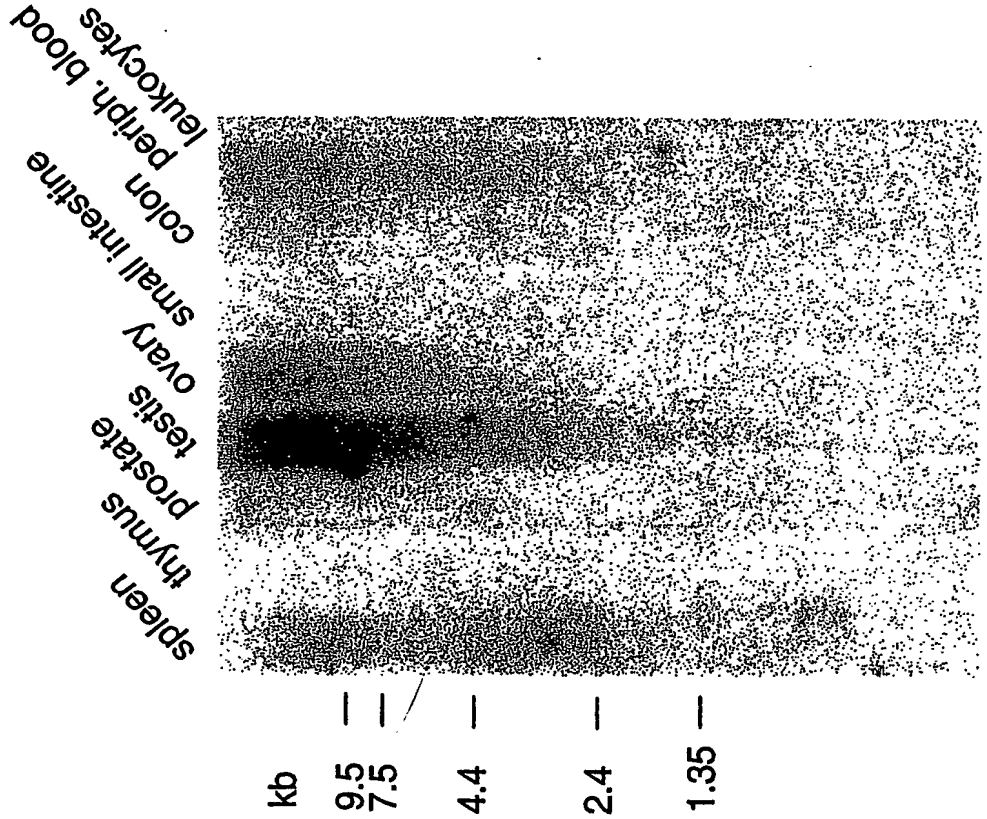
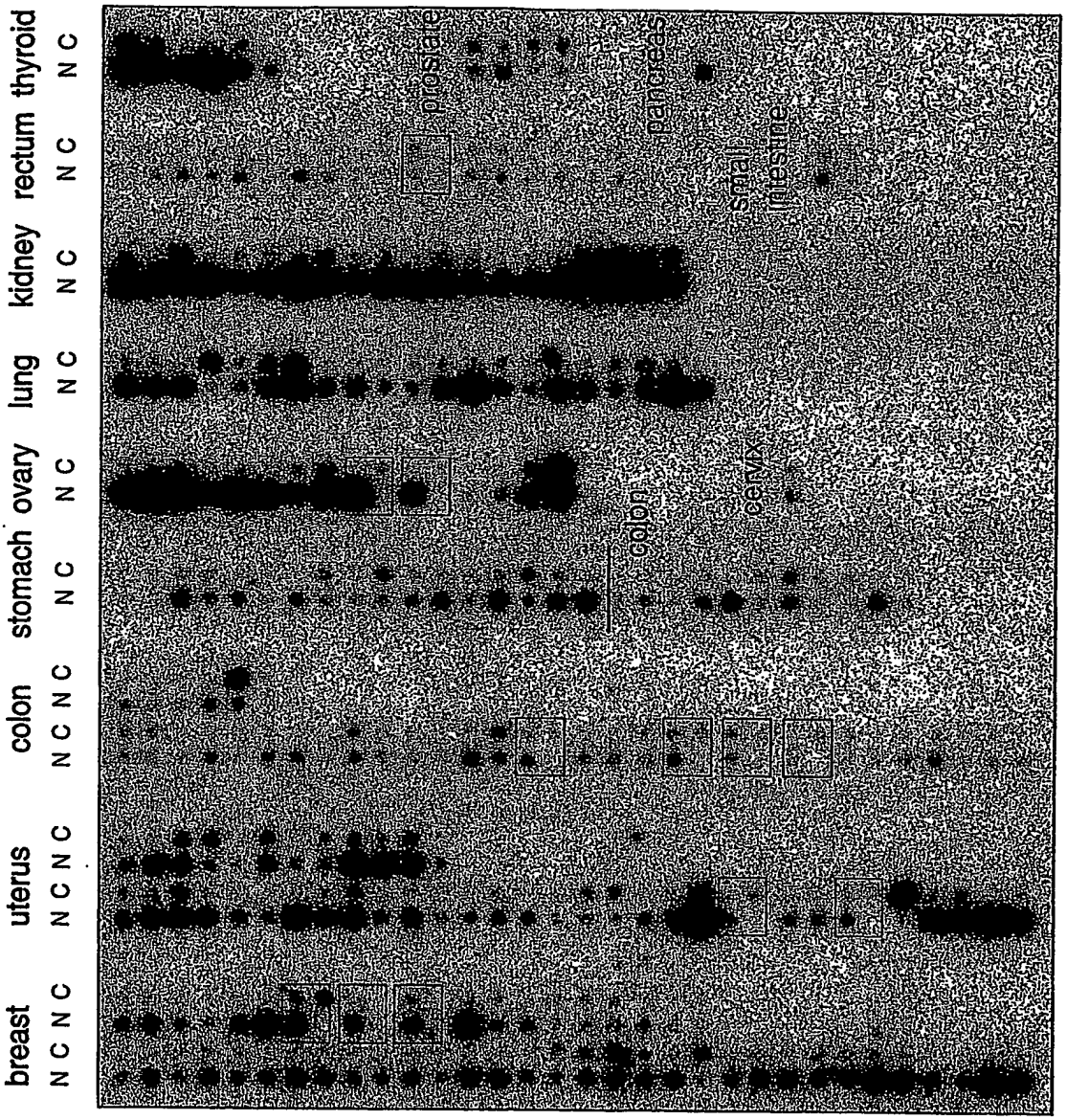

kb
9.5
7.5
4.4
2.4
1.35
spleen
thymus
prostate
testis
ovary
small intestine
colon
periph. blood
leukocytes

Fig. 2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uterus
N C N C
colon
N C N C
stomach
N C
ovary
N C
lung
N C
kidney
N C
rectum
N C
thyroid
N C
prostate
pancreas
colon
small intestine
cervix

Fig. 3

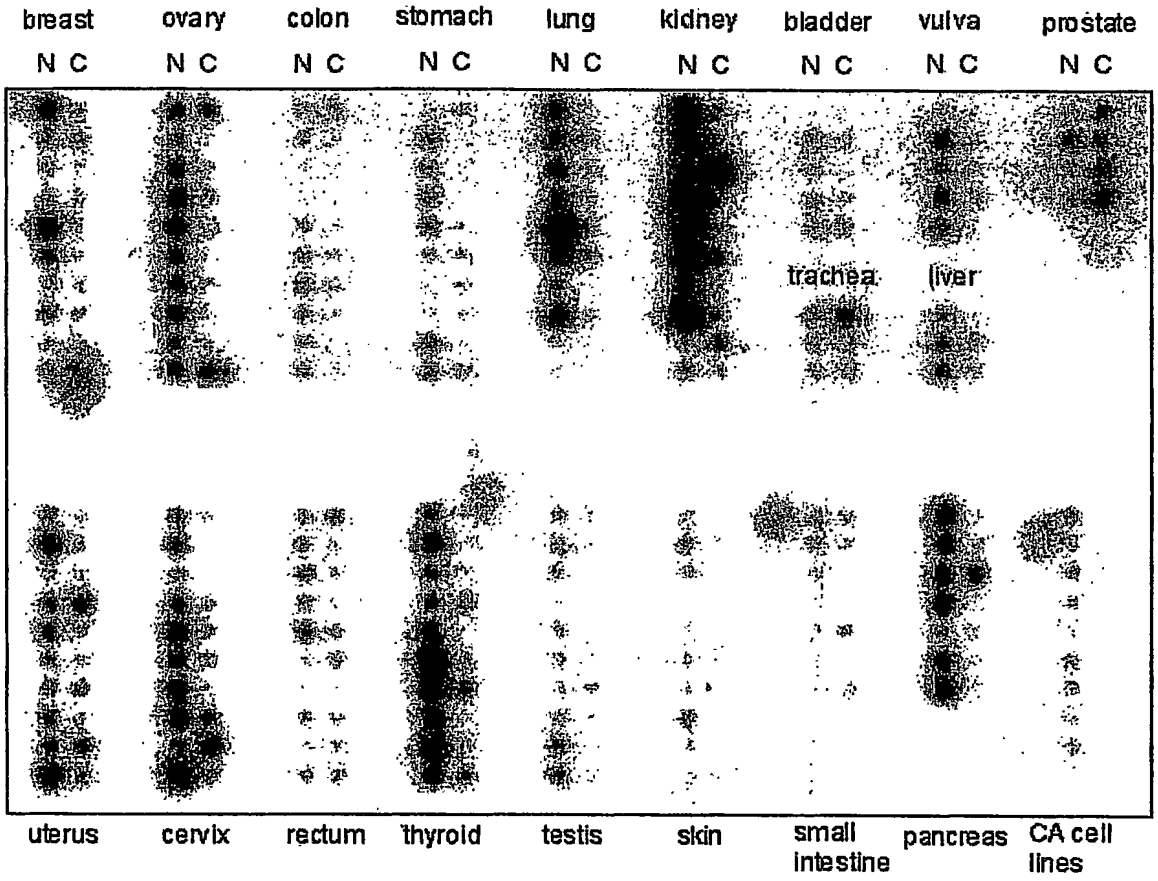
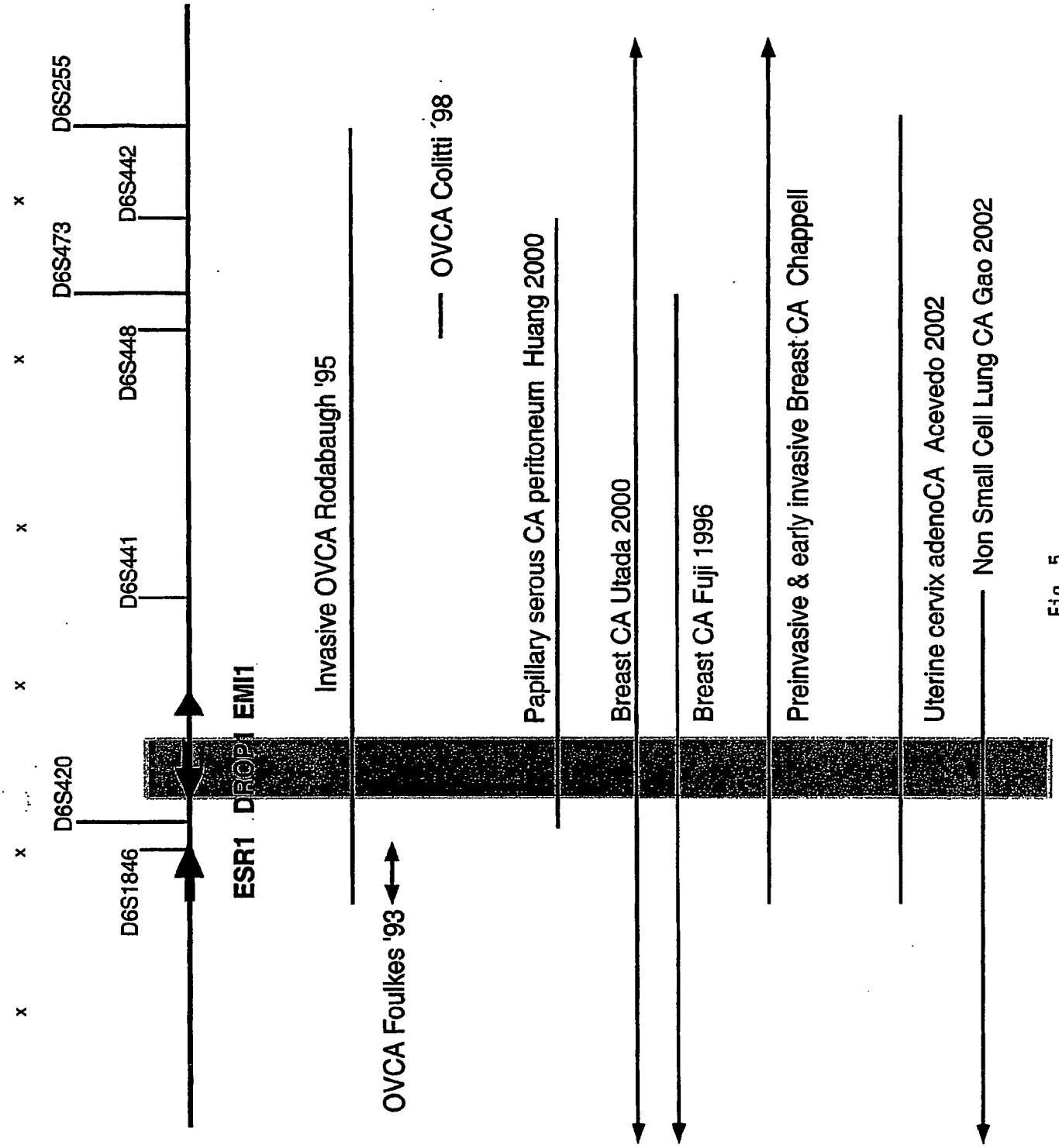

breast
ovary
colon
stomach
lung
kidney
bladder
vulva
prostate
N C
N C
N C
N C
N C
N C
N C
N C
N C
trachea
liver
uterus
cervix
rectum
thyroid
testis
skin
small intestine
pancreas
CA cell lines

Fig. 3a


Pat. 87
tube
epithelium
Pat. 87
tumor
Pat. 91
Tube
epithelium
Pat. 91
Ovarian
surface
epithelium

Fig. 4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D6S442
D6S473
D6S448
D6S441
D6S420
D6S1846
ESR1
DROP1
EMI1
OVCA Colitti '98
Invasive OVCA Rodabaugh '95
Papillary serous CA peritoneum Huang 2000
Breast CA Utada 2000
Breast CA Fuji 1996
Preinvasive & early invasive Breast CA Chappell
Uterine cervix adenoCA Acevedo 2002
Non Small Cell Lung CA Gao 2002
OVCA Foulkes '93

Fig. 5

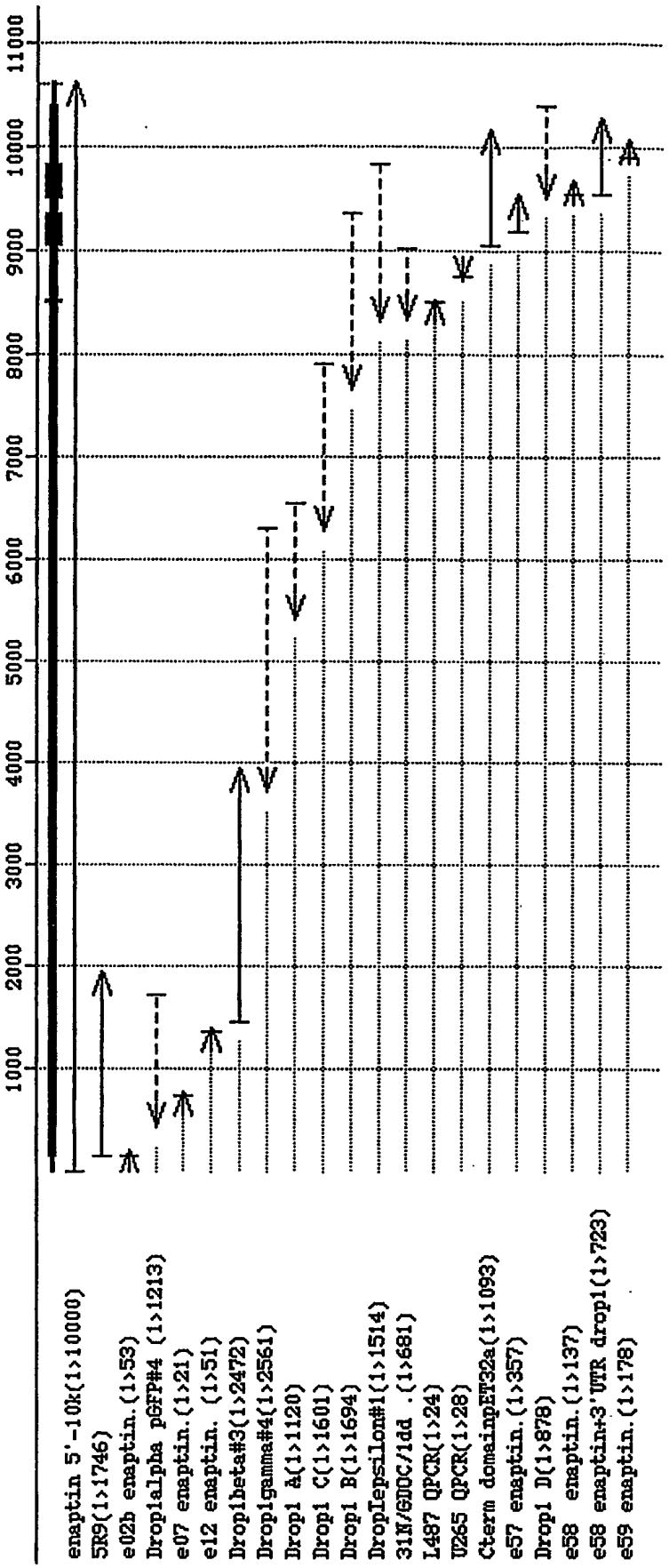
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
11000
enaptin 5'-10k(1>10000)
5R9(1>1746)
e02b enaptin.(1>53)
Drop1alpha pGFP#4 (1>1213)
e07 enaptin.(1>21)
e12 enaptin. (1>51)
Drop1beta#3(1>2472)
Drop1gamma#4(1>2561)
Drop1 A(1>1120)
Drop1 C(1>1601)
Drop1 B(1>1694)
Drop1epsilon#1(1>1514)
31M/GDOC/1dd .(1>681)
L487 QPCR(1>24)
U265 QPCR(1>28)
Cterm domainpET32a(1>1093)
e57 enaptin.(1>357)
Drop1 D(1>878)
e58 enaptin.(1>137)
e58 enaptin+3'UTR drop1(1>723)
e59 enaptin.(1>178)

Fig. 6A

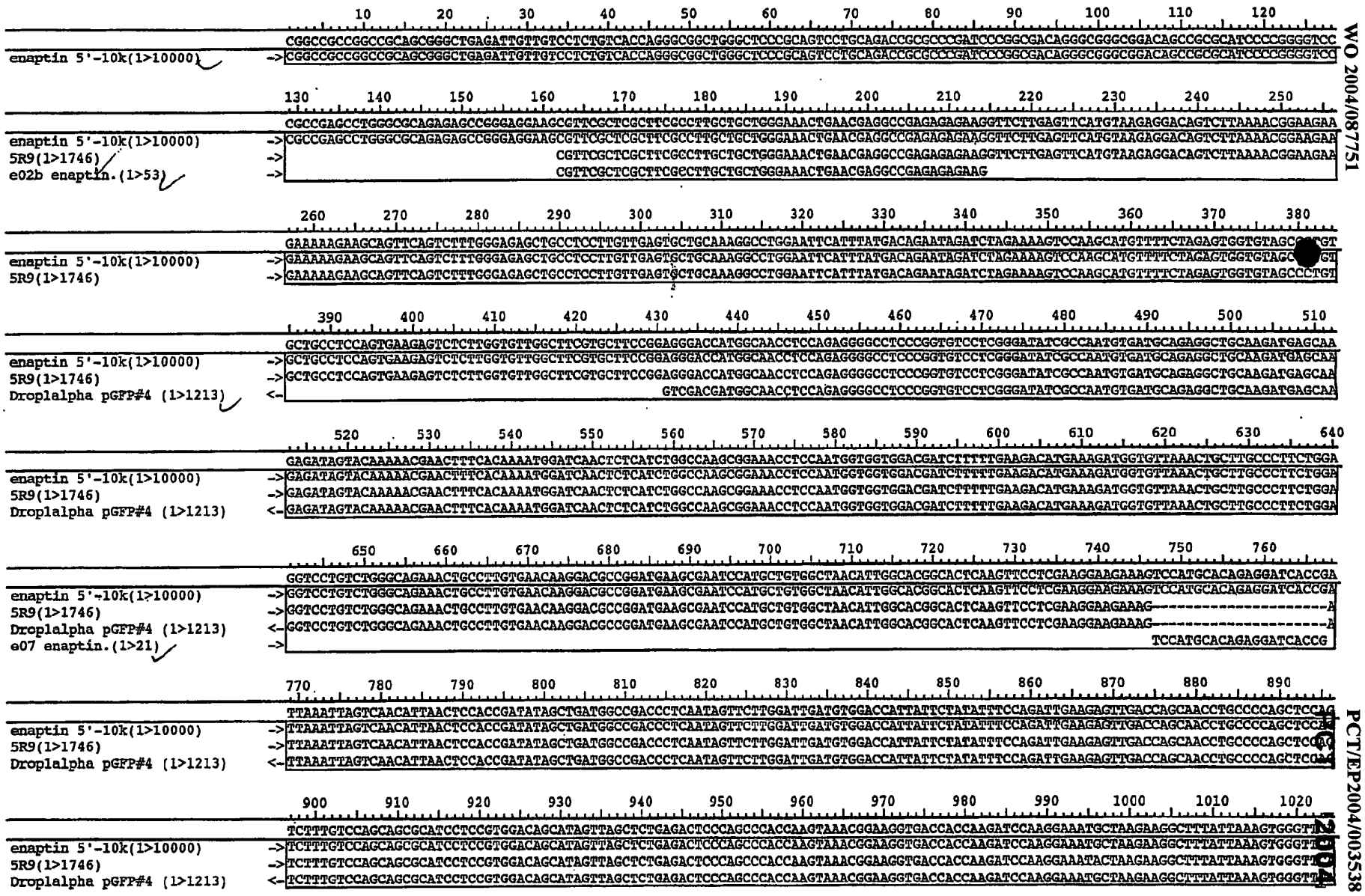

Fig. 6B

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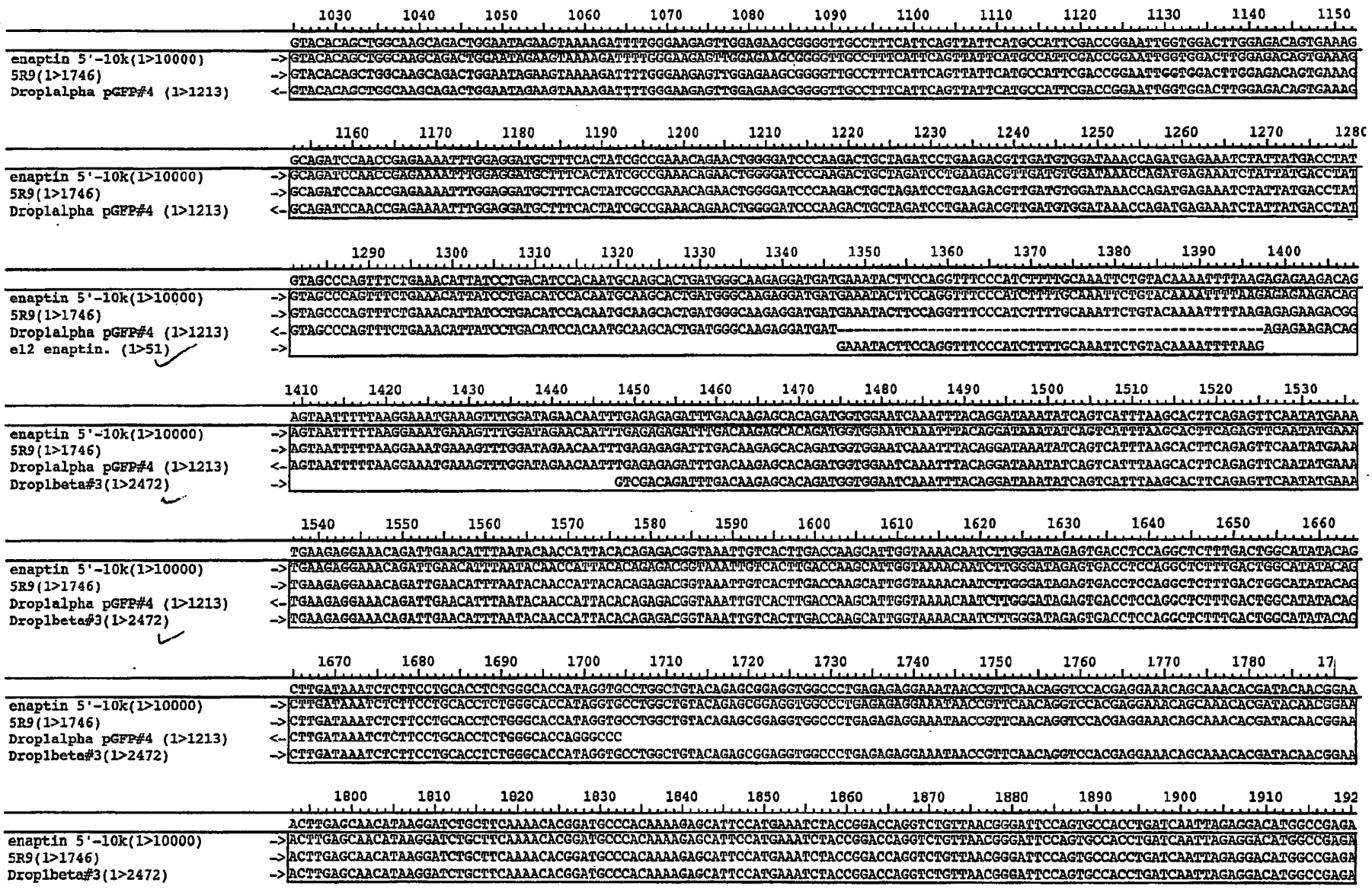

Fig. 6B (Forts. 1)

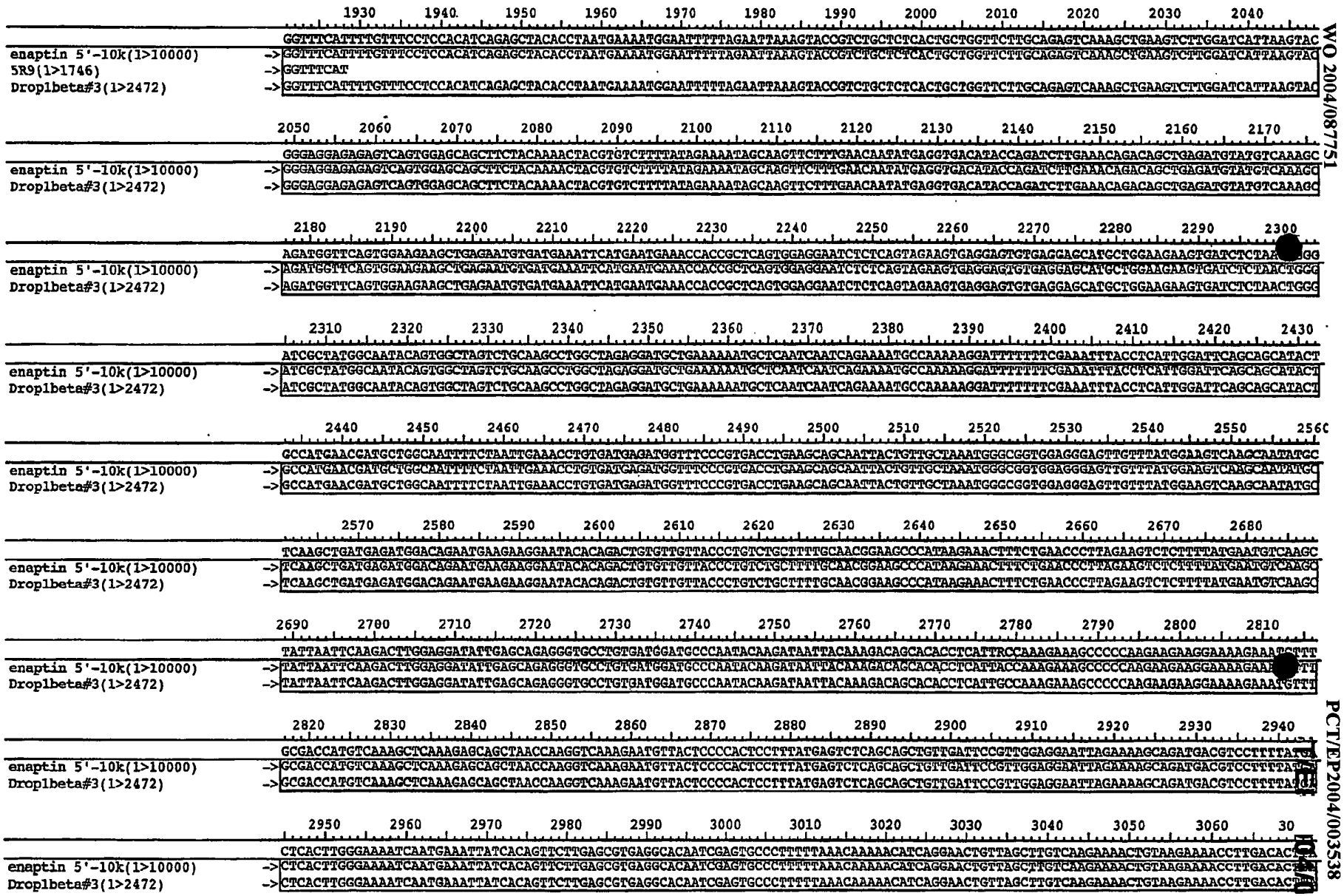

Fig. 6B (Forts. 2)

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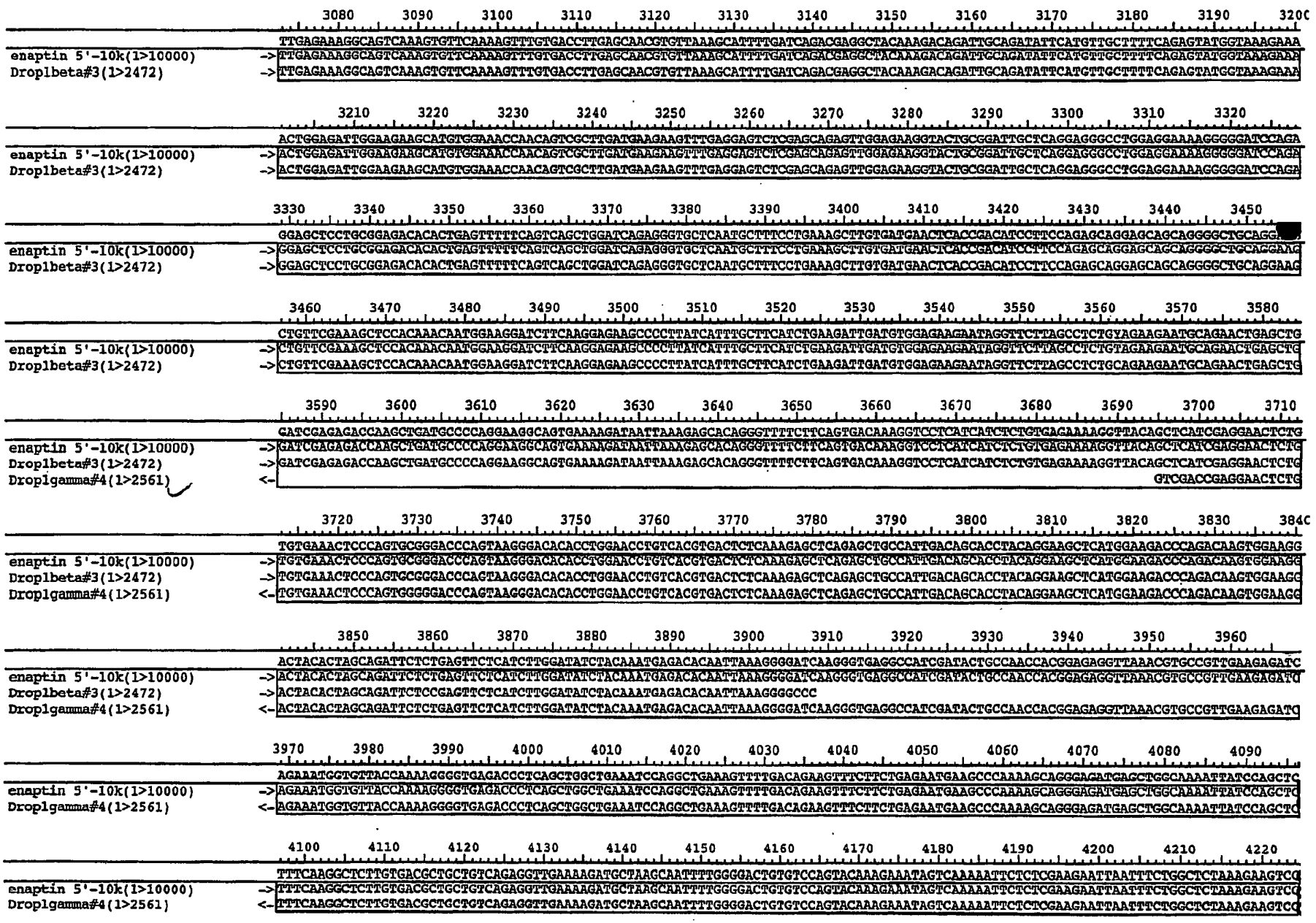

Fig. 6B (Forts. 3)

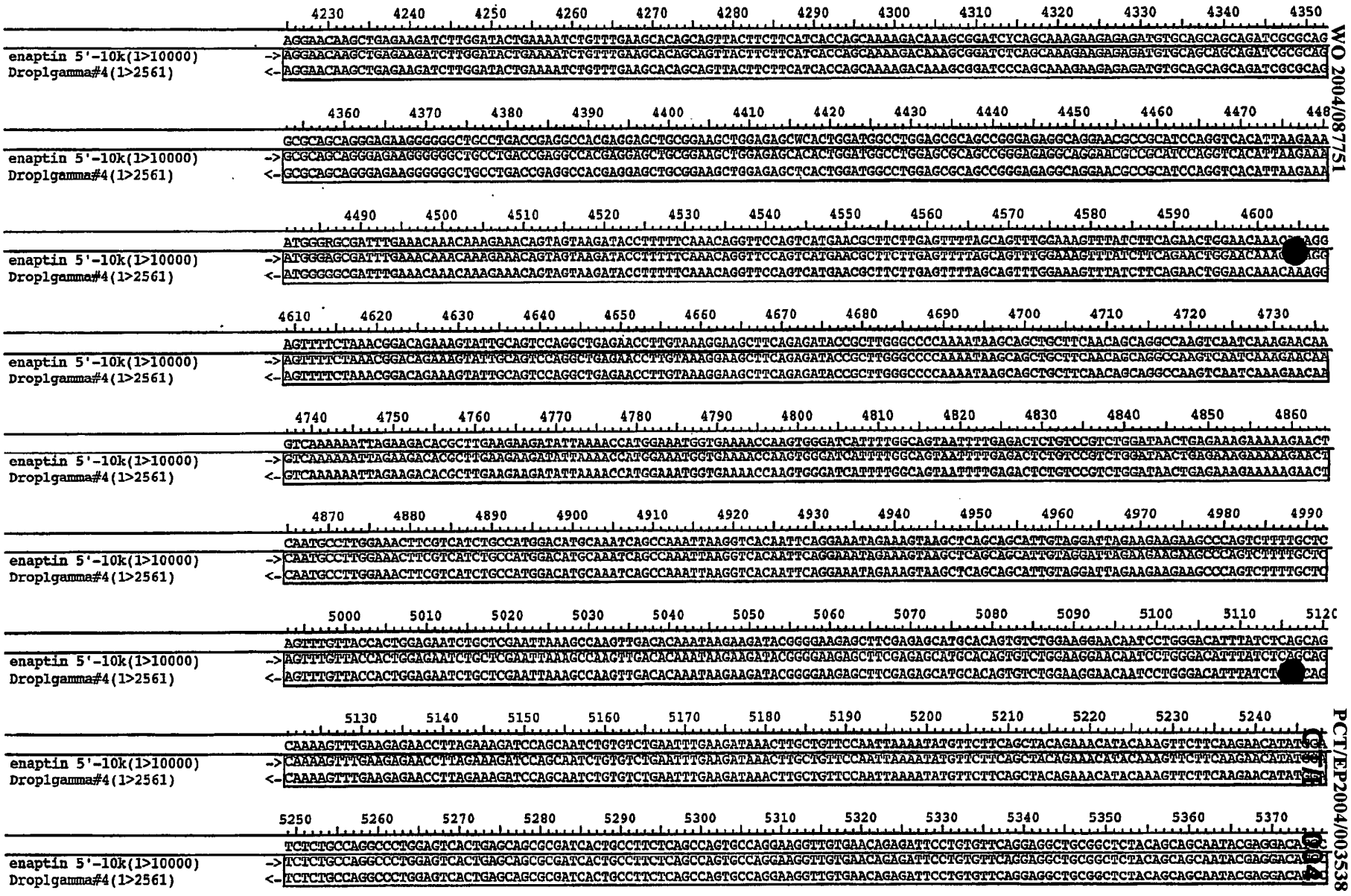

Fig. 6B (Forts. 4)

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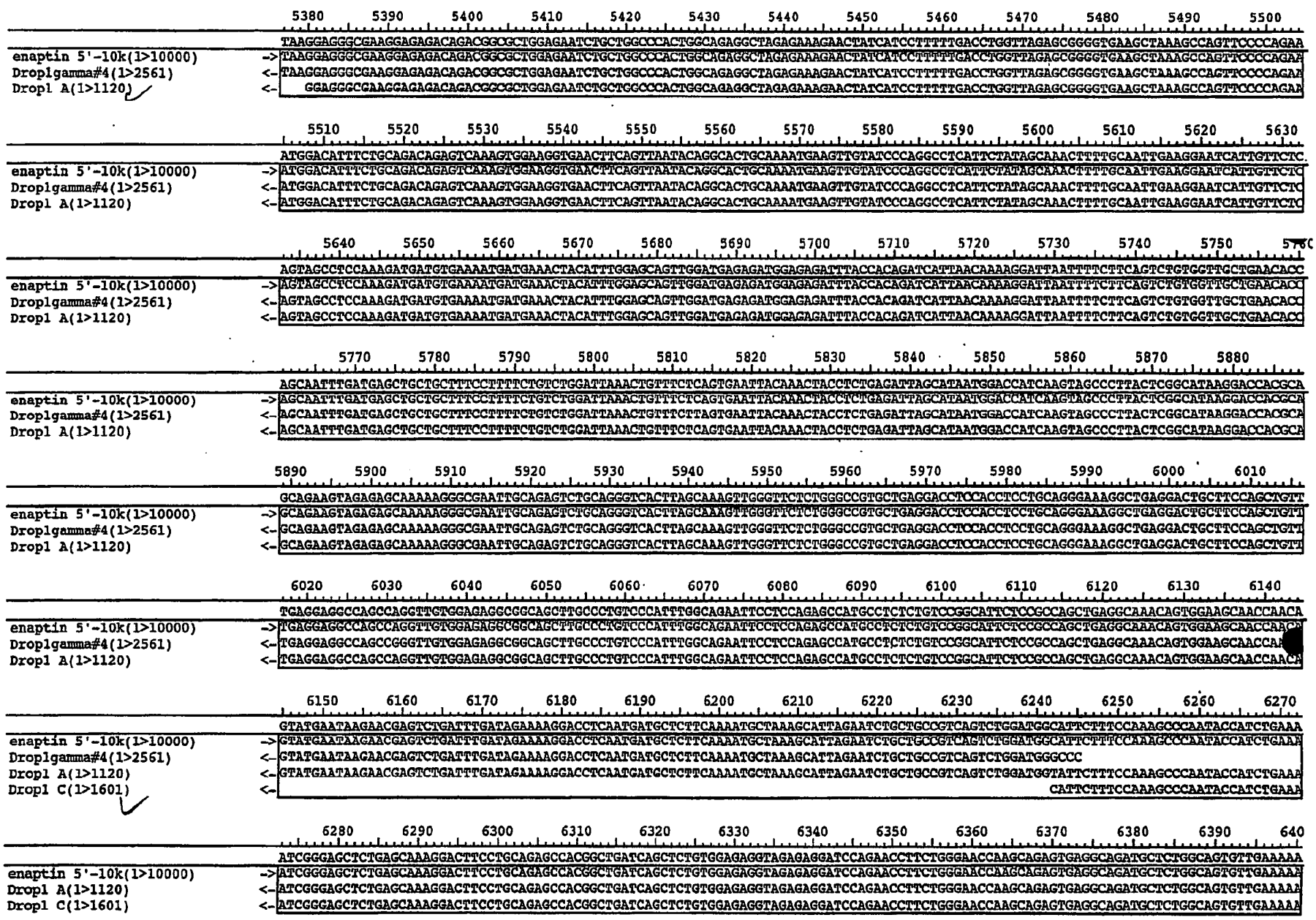

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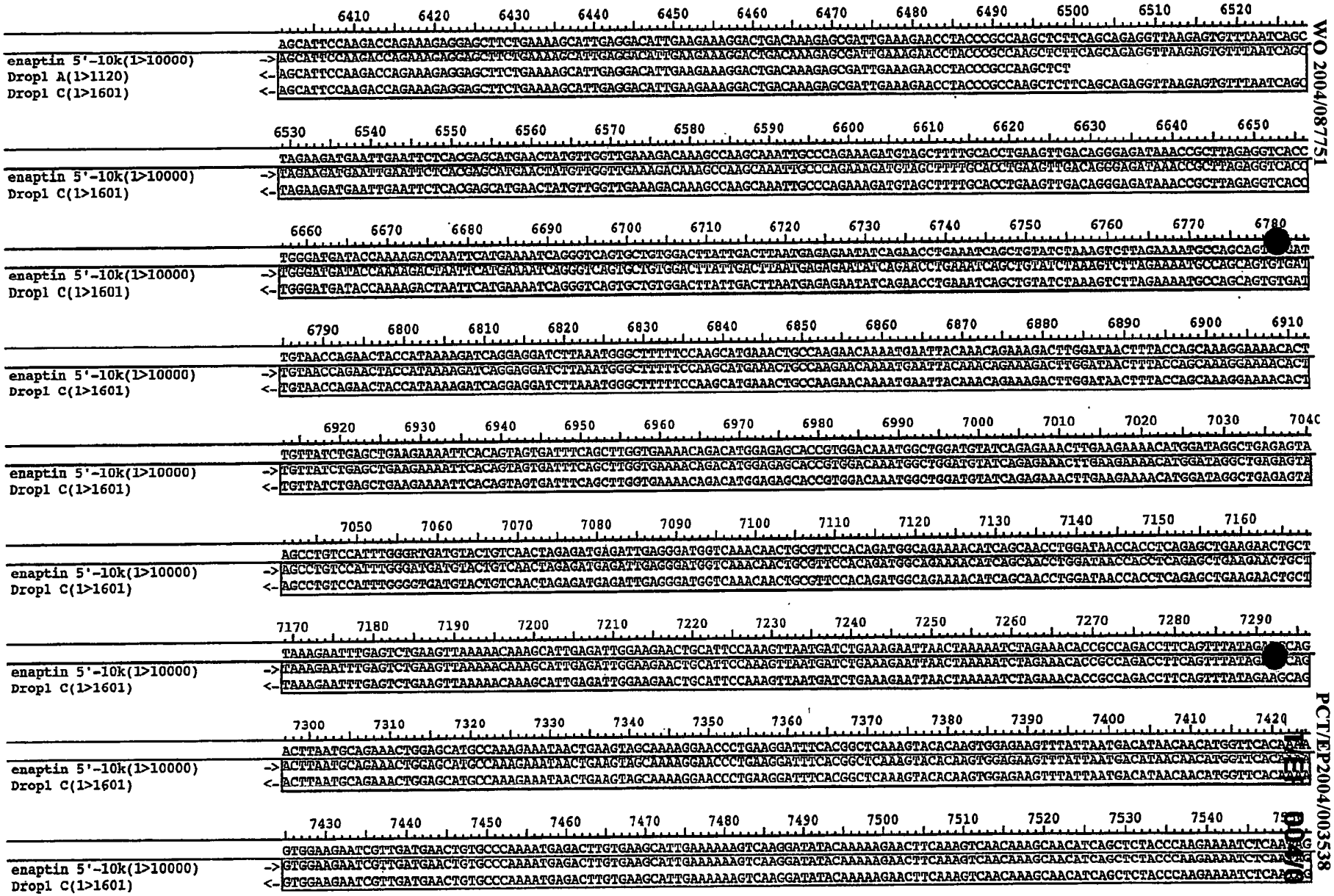
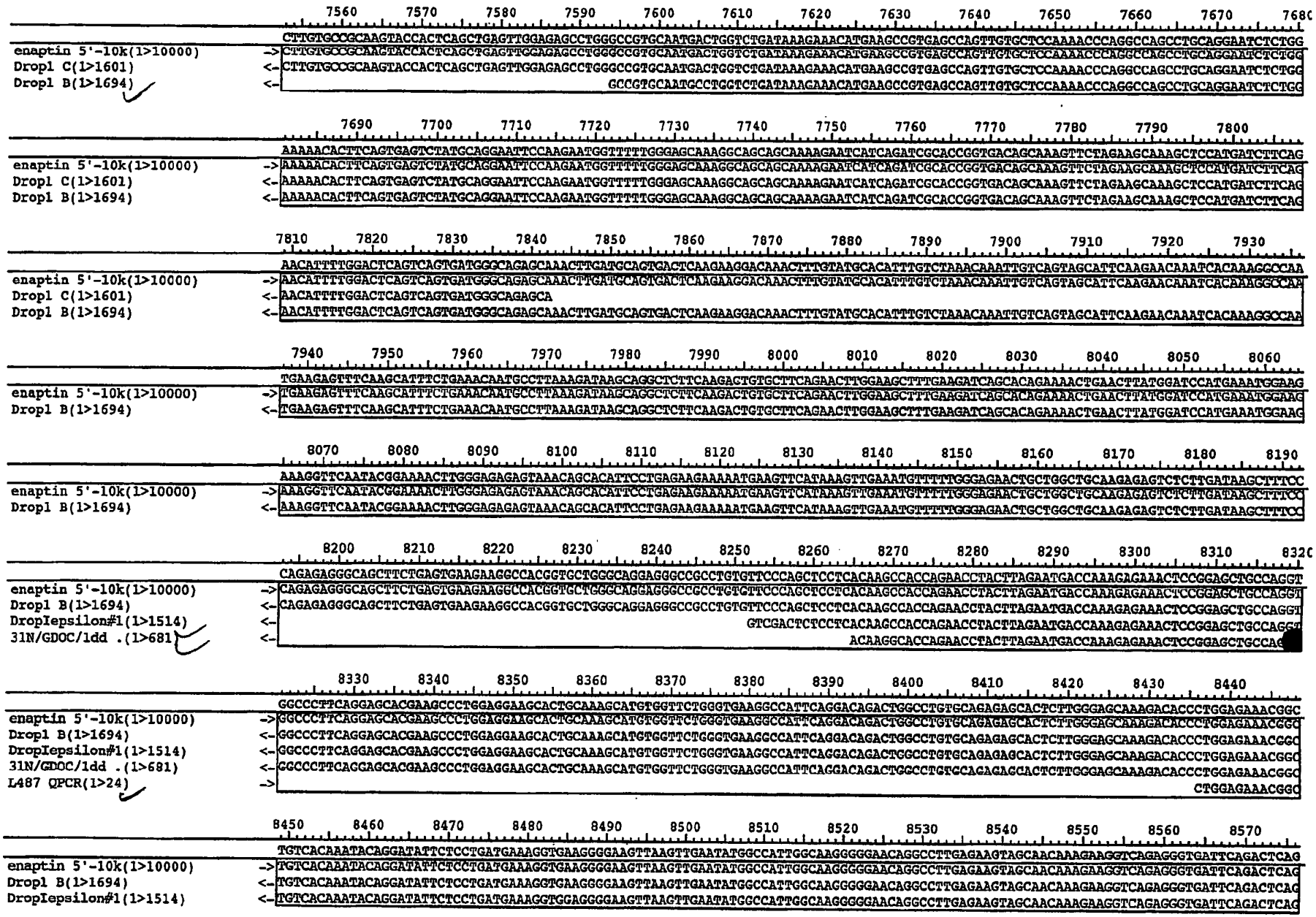


Fig. 6B (Forts. 6)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Dropl C(1>1601) <-CTTGTGCCGCAAGTACCACTCAGCTGAGTTGGAGAGCCTGGGCCGTGCAATGACTGGTCTGATAAAGAAACATGAAGCCGTGAGCCAGTTGTGCTCCAAAACCCAGGCCAGCCTGCAGGAATCTCTGG
Dropl B(1>1694) <-GCCGTGCAATGCCTGGTCTGATAAAGAAACATGAAGCCGTGAGCCAGTTGTGCTCCAAAACCCAGGCCAGCCTGCAGGAATCTCTGG
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7940 7950 7960 7970 7980 7990 8000 8010 8020 8030 8040 8050 8060
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Dropl B(1>1694) <-TGAAGAGTTTCAAGCATTTCTGAAACAATGCCTTAAAGATAAGCAGGCTCTTCAAGACTGTGCTTCAGAACTTGGAAGCTTTGAAGATCAGCACAGAAAACTGAACTTATGGATCCATGAAATGGAAG
8070 8080 8090 8100 8110 8120 8130 8140 8150 8160 8170 8180 8190
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Dropl B(1>1694) <-AAAGGTTCAATACGGAAAACTTGGGAGAGAGTAAACAGCACATTCCTGAGAAGAAAAATGAAGTTCATAAAGTTGAAATGTTTTTGGGAGAACTGCTGGCTGCAAGAGAGTCTCTTGATAAGCTTTCC
8200 8210 8220 8230 8240 8250 8260 8270 8280 8290 8300 8310 832
CAGAGAGGGCAGCTTCTGAGTGAAGAAGGCCACGGTGCTGGGCAGGAGGGCCGCCTGTGTTCCCAGCTCCTCACAAGCCACCAGAACCTACTTAGAATGACCAAAGAGAAACTCCGGAGCTGCCAGGT
enaptin 5'-10k(1>10000) ->CAGAGAGGGCAGCTTCTGAGTGAAGAAGGCCACGGTGCTGGGCAGGAGGGCCGCCTGTGTTCCCAGCTCCTCACAAGCCACCAGAACCTACTTAGAATGACCAAAGAGAAACTCCGGAGCTGCCAGGT
Dropl B(1>1694) <-CAGAGAGGGCAGCTTCTGAGTGAAGAAGGCCACGGTGCTGGGCAGGAGGGCCGCCTGTGTTCCCAGCTCCTCACAAGCCACCAGAACCTACTTAGAATGACCAAAGAGAAACTCCGGAGCTGCCAGGT
DropIepsilon#1(1>1514) <-GTCGACTCTCCTCACAAGCCACCAGAACCTACTTAGAATGACCAAAGAGAAACTCCGGAGCTGCCAGGT
31N/GDOC/1dd .(1>681) <-ACAAGGCACCAGAACCTACTTAGAATGACCAAAGAGAAACTCCGGAGCTGCCAG
8330 8340 8350 8360 8370 8380 8390 8400 8410 8420 8430 8440
GGCCCTTCAGGAGCACGAAGCCCTGGAGGAAGCACTGCAAAGCATGTGGTTCTGGGTGAAGGCCATTCAGGACAGACTGGCCTGTGCAGAGAGCACTCTTGGGAGCAAAGACACCCTGGAGAAACGGC
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Dropl B(1>1694) <-GGCCCTTCAGGAGCACGAAGCCCTGGAGGAAGCACTGCAAAGCATGTGGTTCTGGGTGAAGGCCATTCAGGACAGACTGGCCTGTGCAGAGAGCACTCTTGGGAGCAAAGACACCCTGGAGAAACGGC
DropIepsilon#1(1>1514) <-GGCCCTTCAGGAGCACGAAGCCCTGGAGGAAGCACTGCAAAGCATGTGGTTCTGGGTGAAGGCCATTCAGGACAGACTGGCCTGTGCAGAGAGCACTCTTGGGAGCAAAGACACCCTGGAGAAACGGC
31N/GDOC/1dd .(1>681) <-GGCCCTTCAGGAGCACGAAGCCCTGGAGGAAGCACTGCAAAGCATGTGGTTCTGGGTGAAGGCCATTCAGGACAGACTGGCCTGTGCAGAGAGCACTCTTGGGAGCAAAGACACCCTGGAGAAACGGC
L487 QPCR(1>24) ->CTGGAGAAACGGC
8450 8460 8470 8480 8490 8500 8510 8520 8530 8540 8550 8560 8570
TGTCACAAATACAGGATATTCTCCTGATGAAAGGTGAAGGGGAAGTTAAGTTGAATATGGCCATTGGCAAGGGGGAACAGGCCTTGAGAAGTAGCAACAAAGAAGGTCAGAGGGTGATTCAGACTCAG
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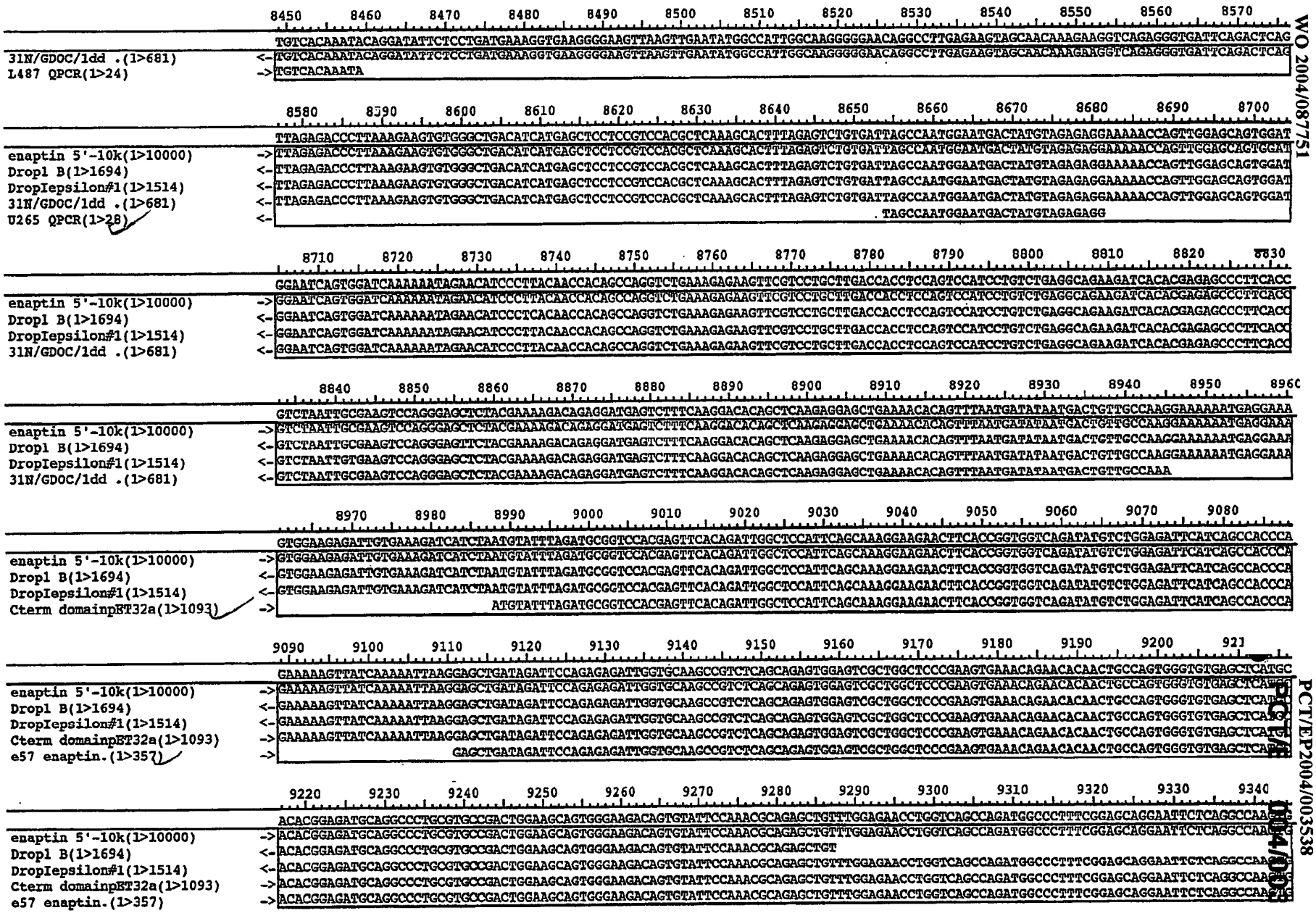

Fig. 6B (Forts. 8)

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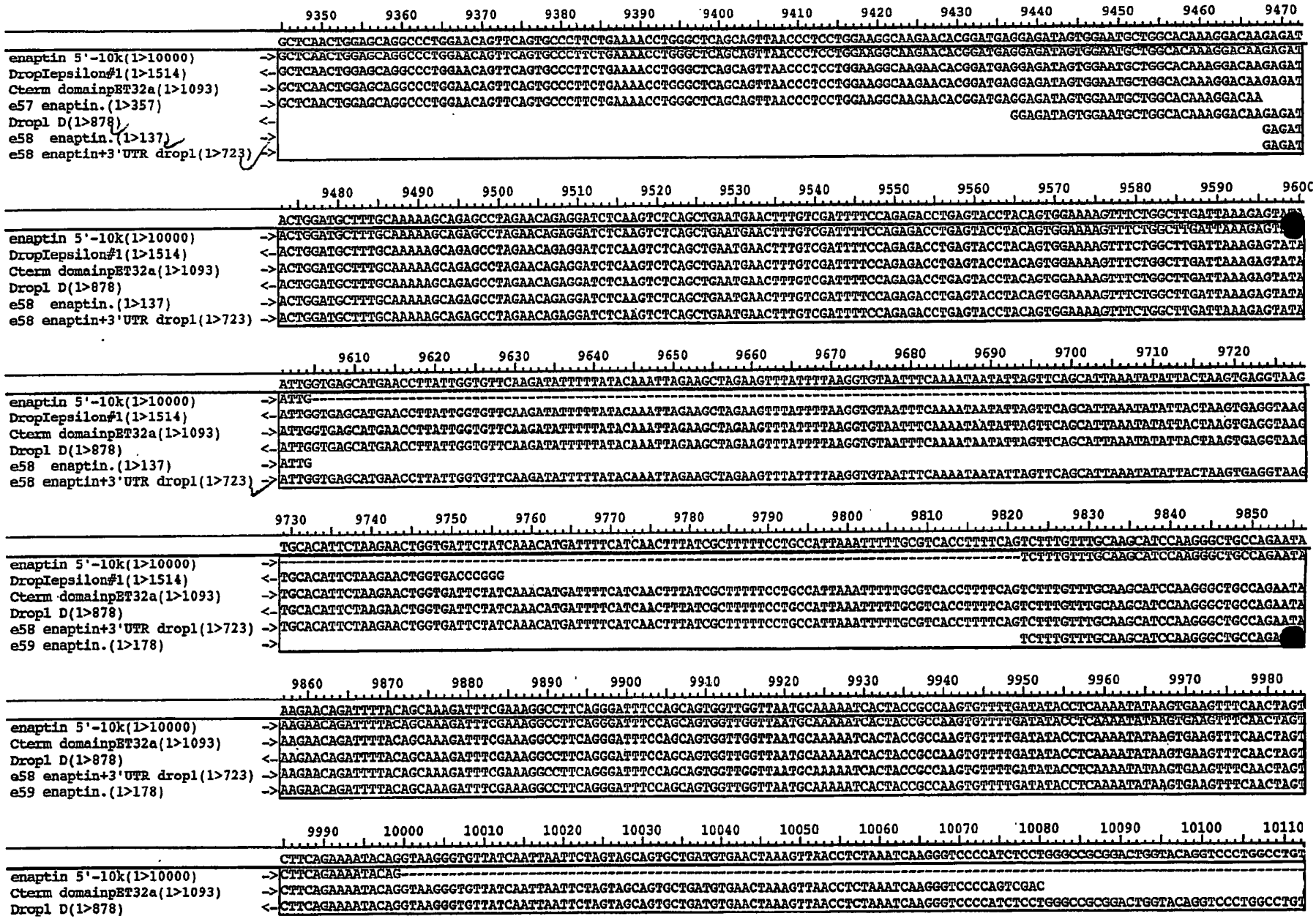

Fig. 6B (Forts. 9)

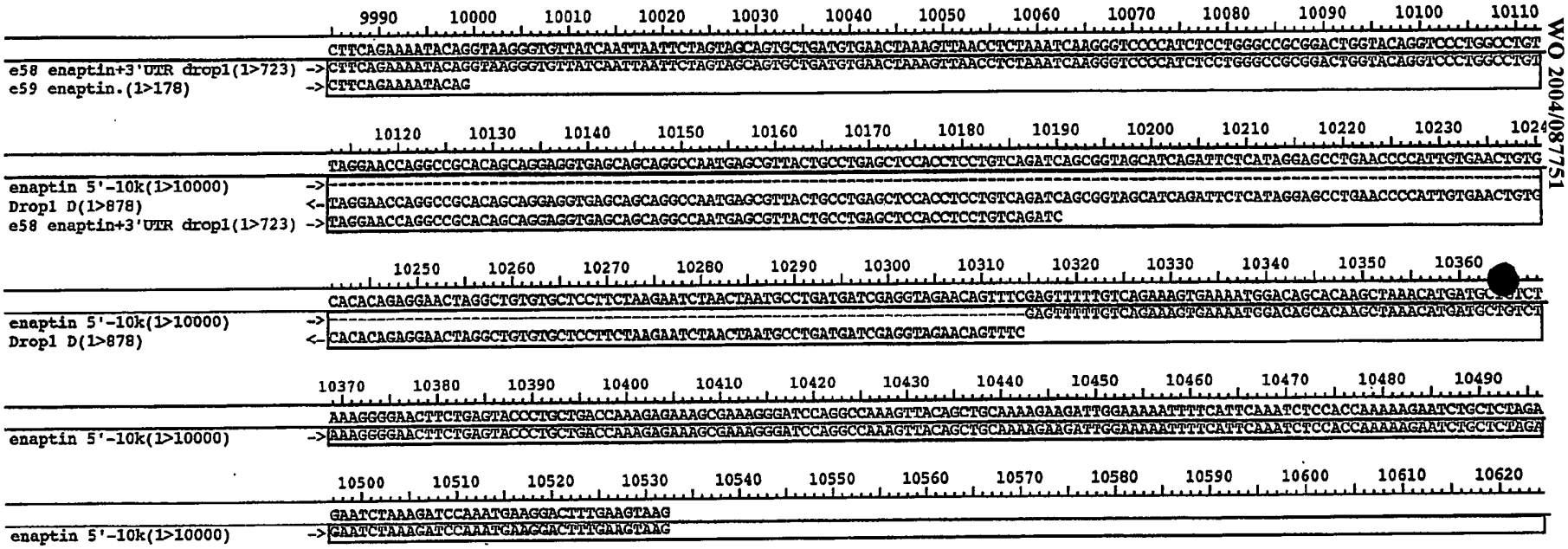

Fig. 6B (Forts. 10)

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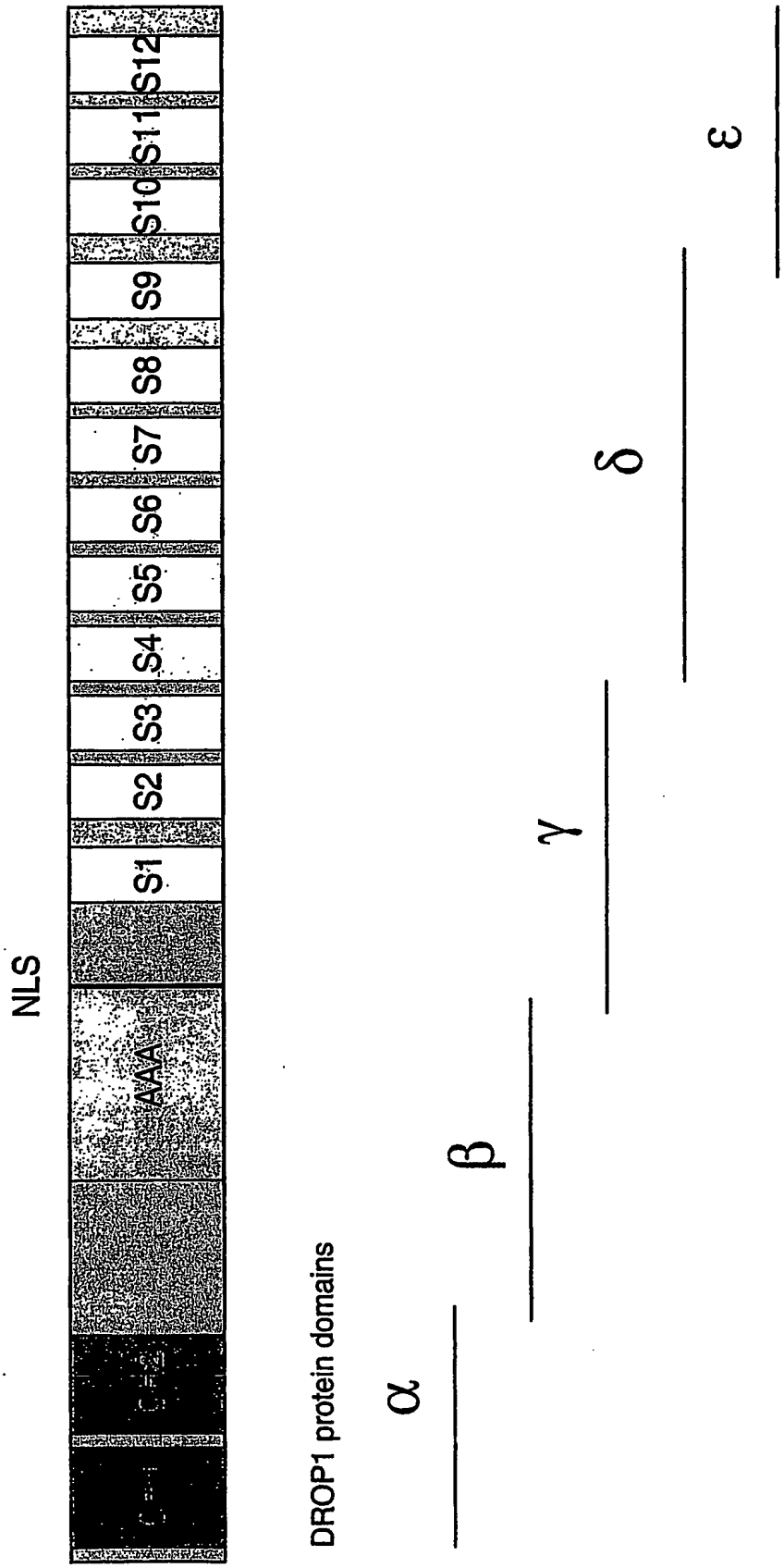
NLS
S1
S2
S3
S4
S5
S6
S7
S8
S9
S10
S11
S12
AAA
DROP1 protein domains
α
β
γ
δ
ε

Fig. 7

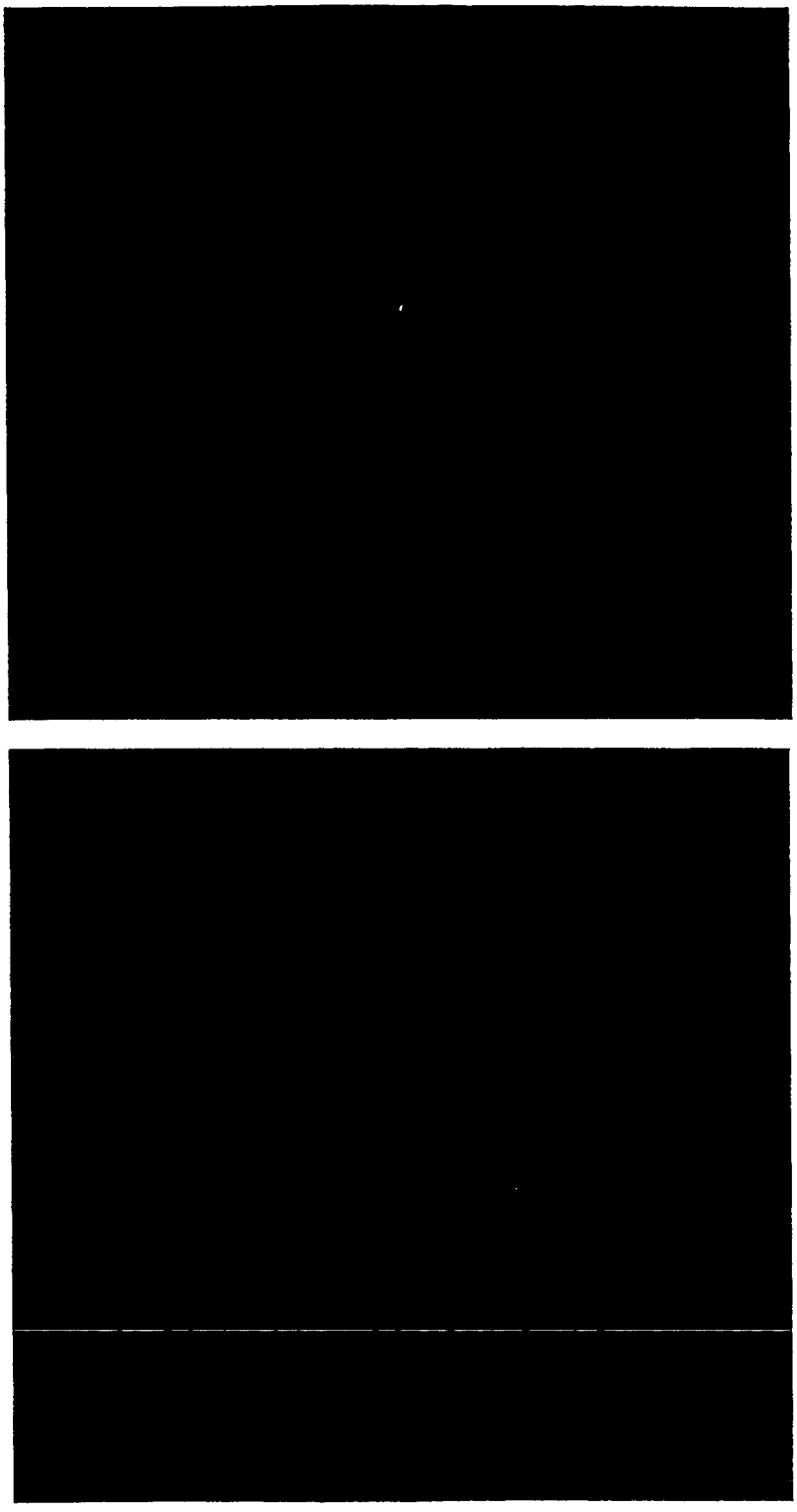

Fig. 8

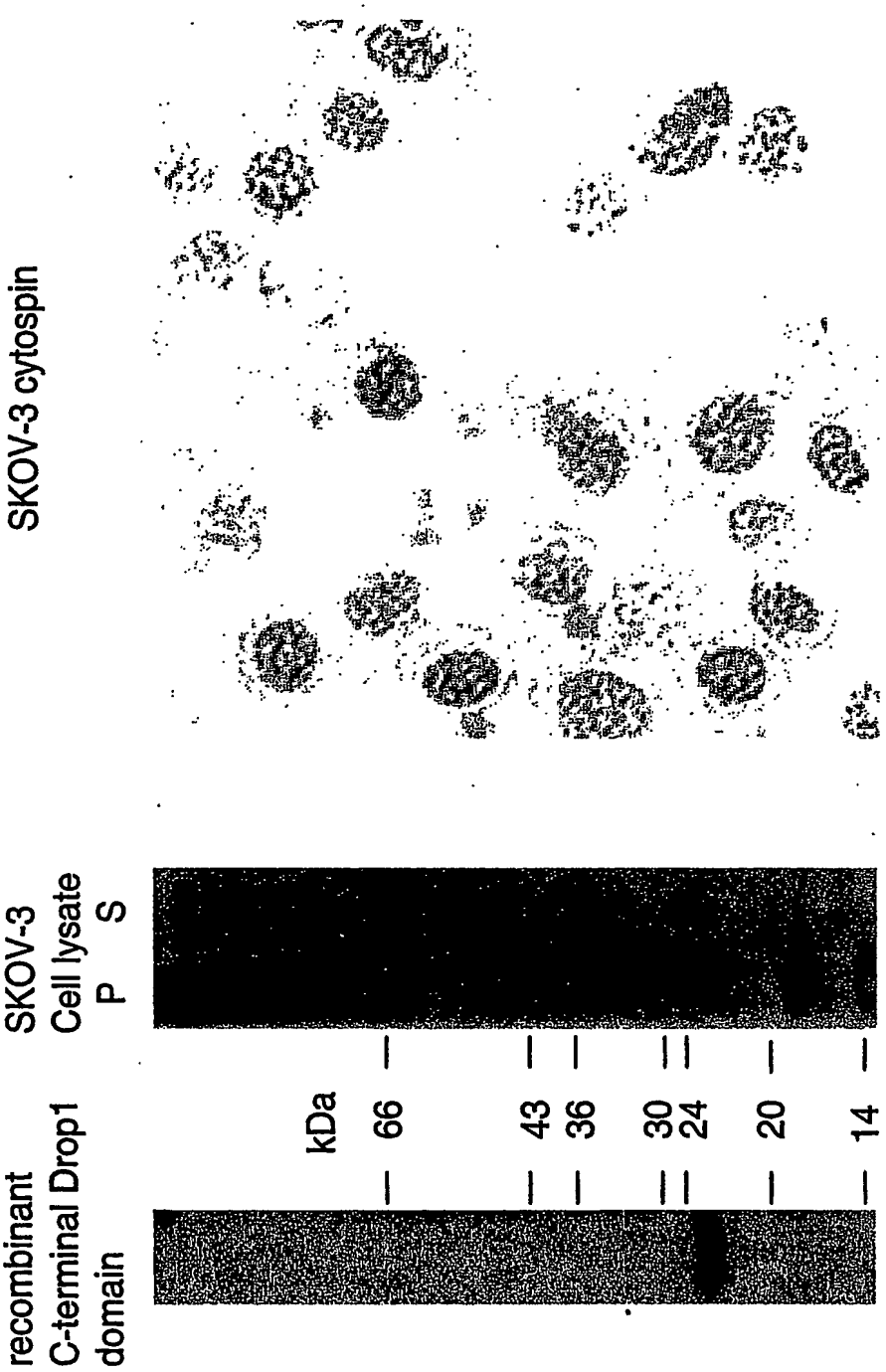
SKOV-3 cytospin
SKOV-3
Cell lysate
P S
recombinant
C-terminal Drop1
domain
kDa
66
43
36
30
24
20
14

Fig. 9

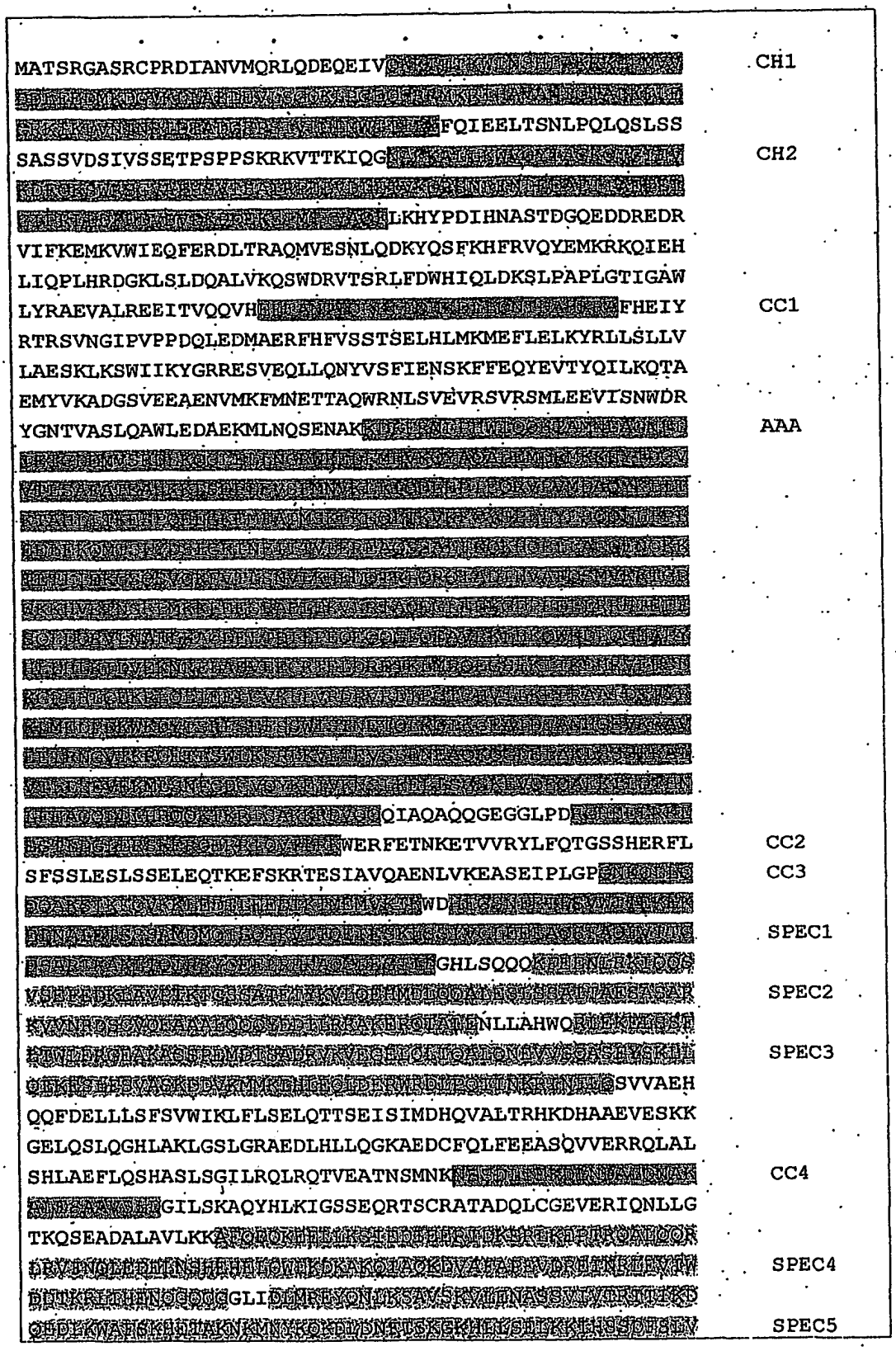

Fig. 10

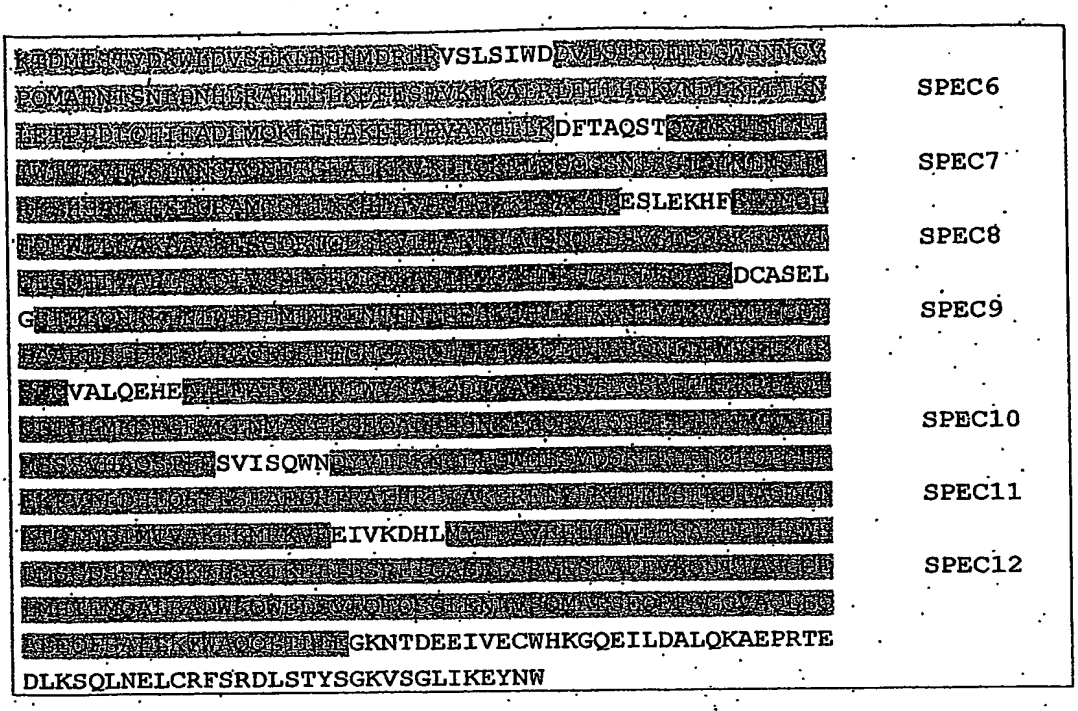

Figure 10 (Forts.)

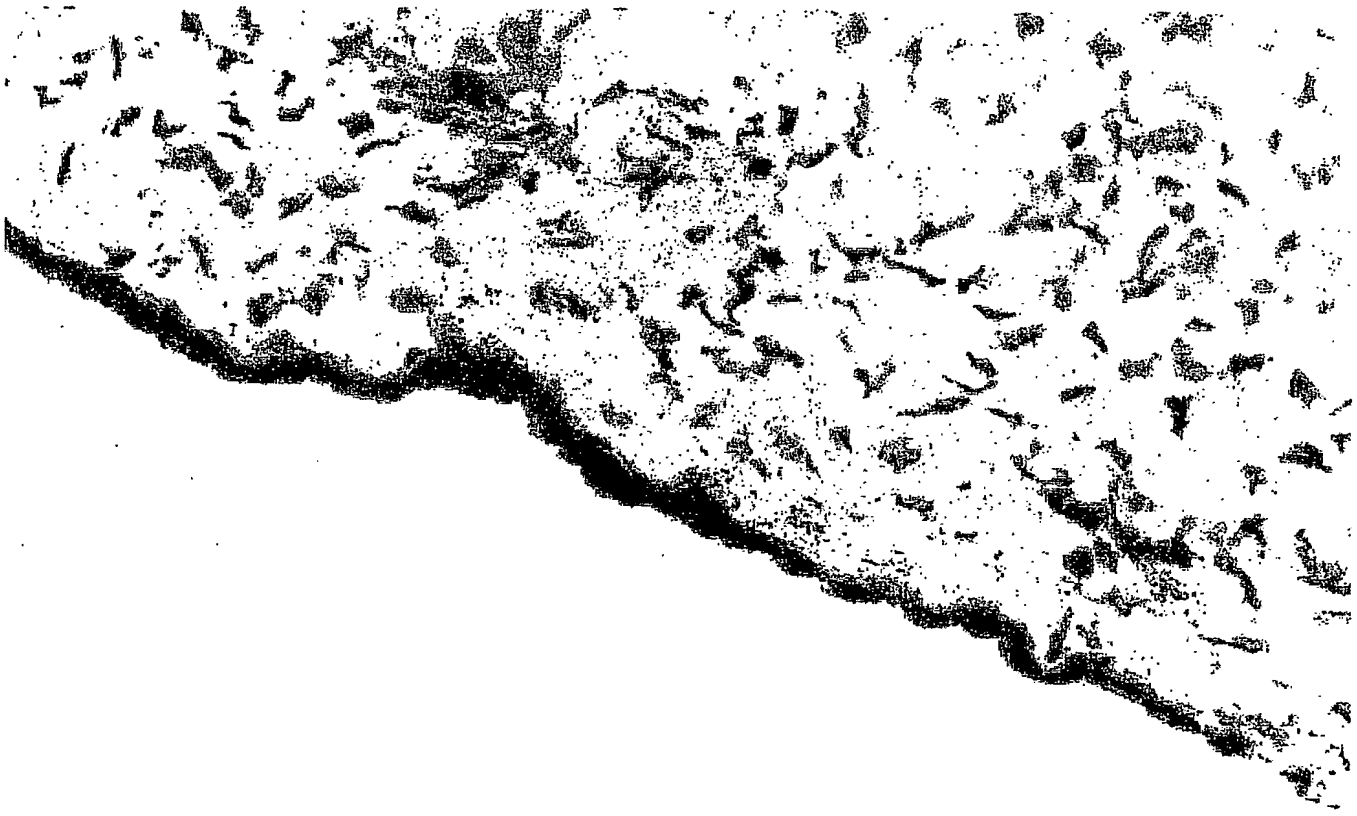

Fig. 11

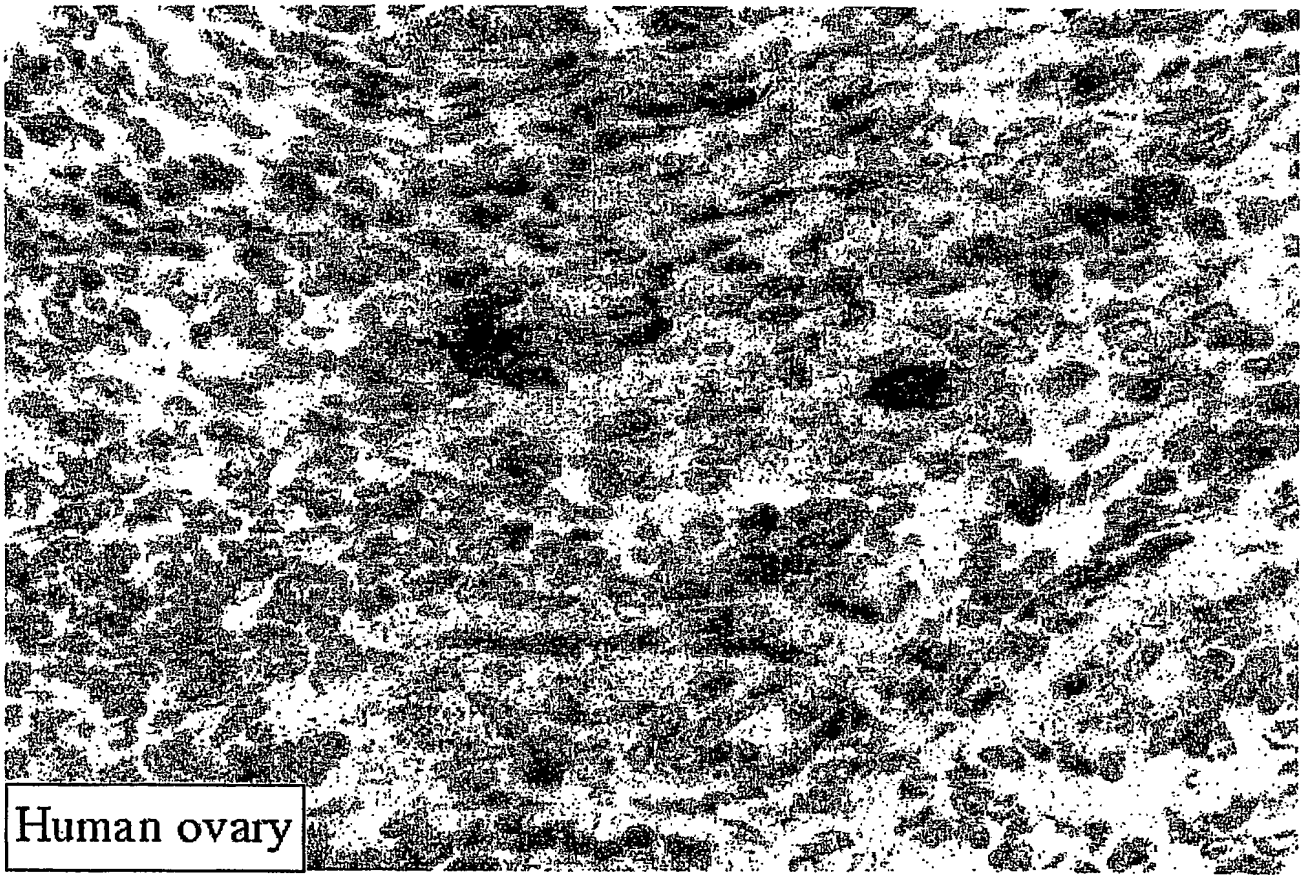

Fig. 12

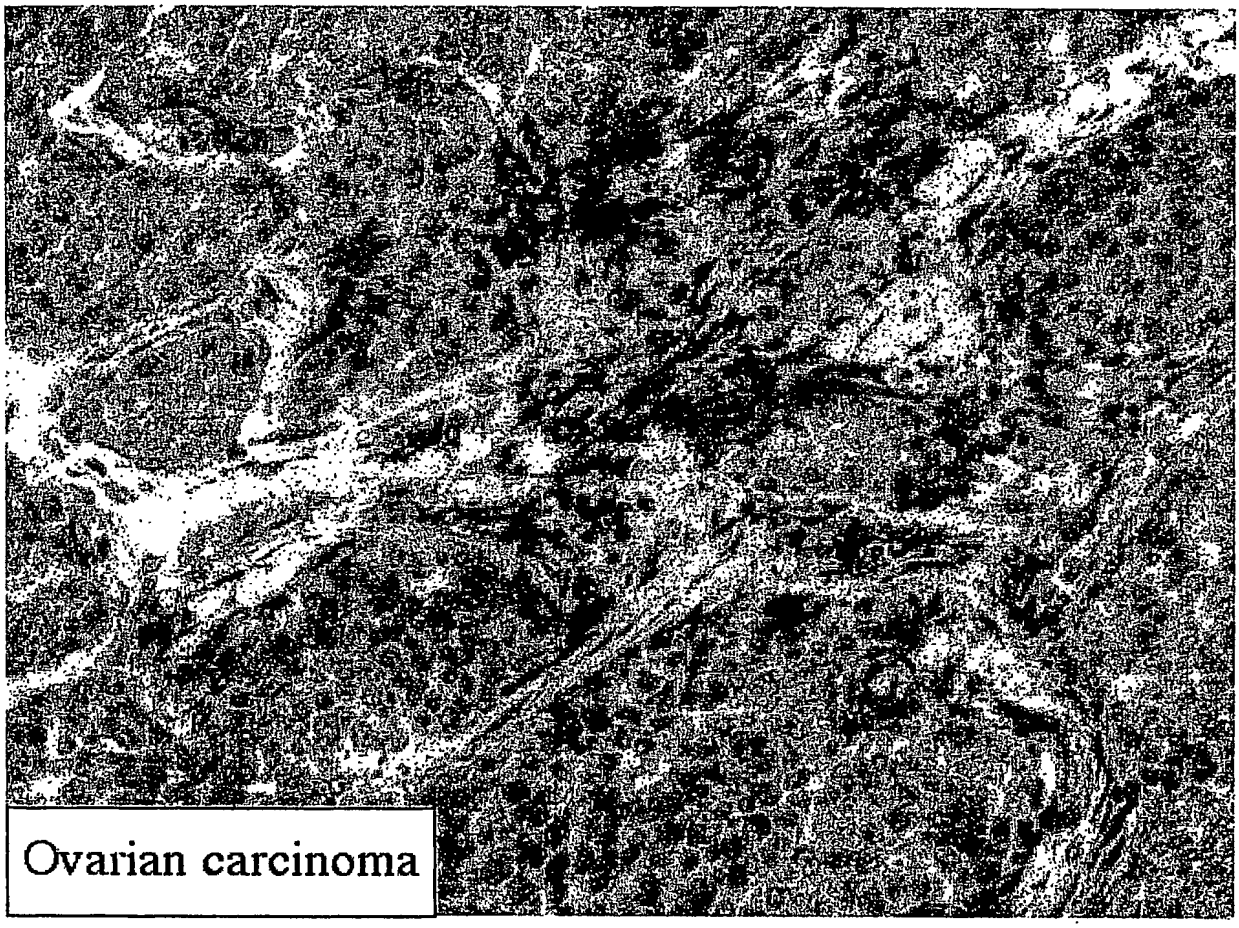

Fig. 13

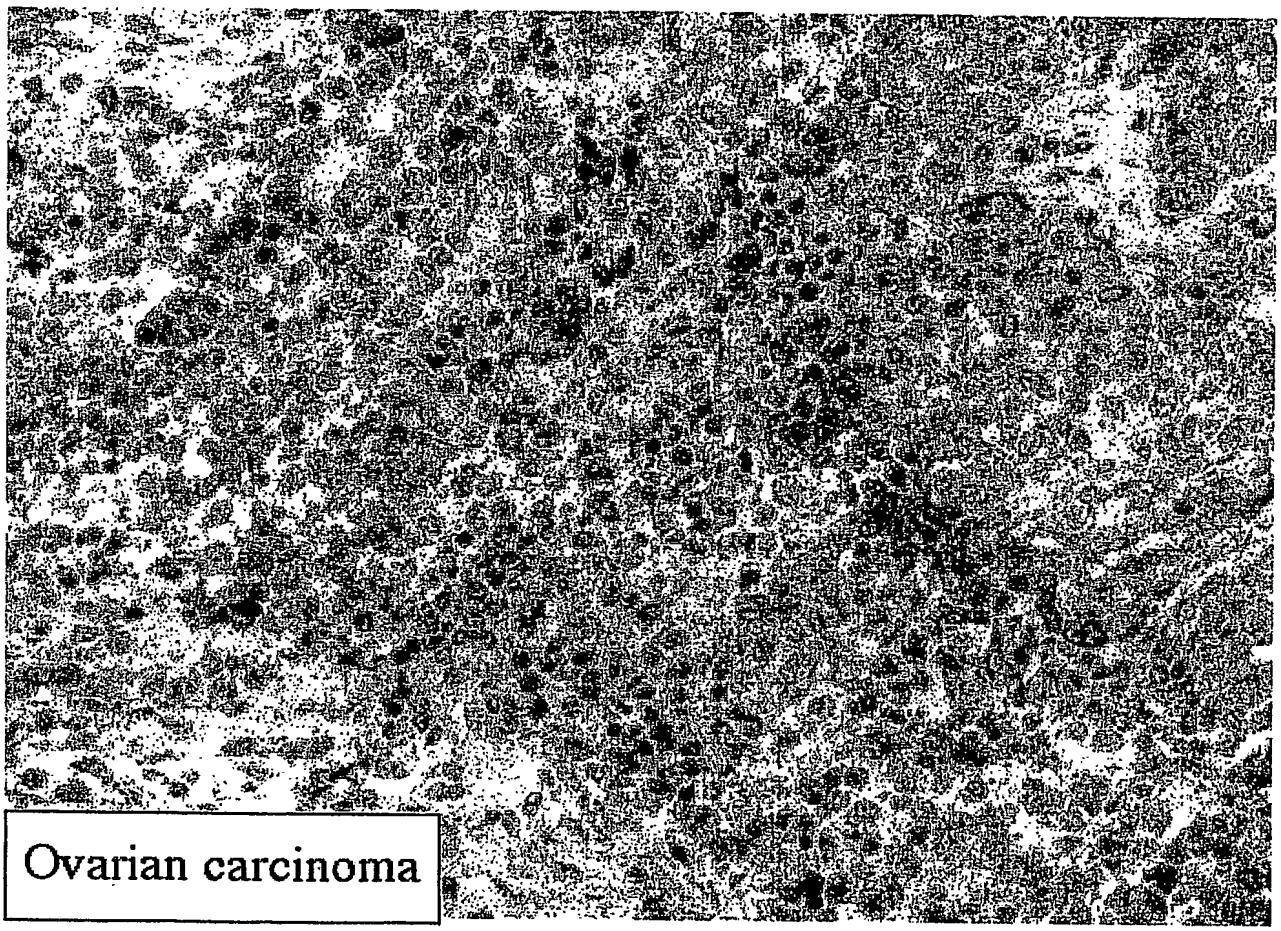

Fig. 14